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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: CARLHOFF et al.

: Art Unit: Not Yet Assigned

Serial No.: 10/576,735

: Examiner: To Be Assigned

Filing Date: April 21, 2006

: Confirmation No.: 4495

For: **A PROCESS FOR KEEPING A TUYERE PASSING THROUGH A METALLURGICAL VESSEL FREE FROM A SKULL**

(Attorney Docket No.: DN 02-019)

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 8, 2006.

A handwritten signature in black ink, appearing to read "Kari Clayton".

Kari Clayton

Commissioner for Patents  
P.O. Box 14250  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. §1.97(b)**

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the Forms PTO/SB/08a and 08b submitted herewith. A copy of each of the listed documents is also enclosed.

No concession is made that these documents are prior art, and Applicant expressly reserves the right to antedate the documents as may be appropriate.

Group Art Unit: Not Yet Assigned  
Application No. 10/576,735

September 7, 2006  
Docket No. DN 02-019

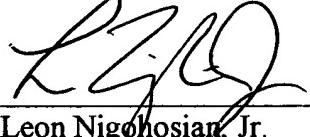
Each of the cited documents was cited in an International Search Report (copy enclosed, Citation No. 11) dated May 6, 2004, issued in priority international counterpart patent application number PCT/EP03/12349 and forwarded in a communication dated June 4, 2004.

Reference Citation Nos. 6, 9 and 10 are not in the English language, however, the International Search Report (Citation No. 11), submitted herewith in English, indicates the degree of relevance determined by the European Patent Office of these references. Additionally, English abstracts are respectively attached to and located on Citation Nos. 6 and 10.

Applicant requests that the above information be considered and made of record by the Examiner in the above-referenced patent application and that a copy of the enclosed Forms PTO/SB/08a and 08b be initialed and returned indicating that such information has been considered.

No first Official Action has yet been received and it is presumed that none has yet been mailed. Accordingly, no fee is believed to be due with the filing of this paper. Nevertheless, the Commissioner is authorized to charge Deposit Account No. 13-3639 should any fee be deemed necessary for filing this paper.

Respectfully submitted,



\_\_\_\_\_  
Leon Nigoghosian, Jr.  
PTO Reg. No. 39,791

Enclosures: Forms PTO/SB/08a and 08b  
Copies of 11 References

Date: September 7, 2006

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Facsimile (610) 861-7540

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Substitute for form 1449/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Application Number

10/576,735

Filing Date

4/21/2006

First Named Inventor

Christoph CARLHOFF

Art Unit

Not Yet Assigned

Examiner Name

Not Yet Assigned

Attorney Docket Number

DN 02-019

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	10	CARLHOFF C ET AL, "Laserinduzierte Emissionsspektroskopie fuer die Direktanalyse von Fluessigem Stahl im Konverter", Laser und Optoelektronik, Fachverlag GmbH, Stuttgart, DE, vol. 23, no. 4 (1991-08-01), pages 50-52, XP000216633 ISSN: 0722-9003	
	11	International Search Report dated May 6, 2004, issued in priority international counterpart application number PCT/EP03/12349, forwarded in a communication dated June 4, 2004.	

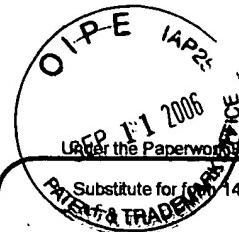
Examiner Signature	Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

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of 2

Complete if Known	
Application Number	10/576,735
Filing Date	4/21/2006
First Named Inventor	Christoph CARLHOFF
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	DN 02-019

**U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Foreign Patent Document	Publication Date MM-DD-YYYY			
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	5	EP 1 134 295 A	09-19-2001	VIEST ALPINE IND INC		
	6	EP 0 645 601 A	03-29-1995	LORRAINE LAMINAGE		
	7	JP 60 187608 A (ABSTRACT)	09-25-1985	KAWASAKI SETETSU KK		
	8	JP 11 326061 A (ABSTRACT)	11-26-1999	SUMITOMO METAL IND LTD		
	9	LU 90 610 A	01-11-2002	SIDMAR NV; WURTH PAUL		

Examiner Signature		Date Considered	
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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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